Program	С	umulative	Units		umulative	Units		umulative	Units	Program Notes
Self Optimizing Grid	\$	Target 65,563,000			Actuals 56,745,827		\$	(8,817,173)		
Segmentation and Automation	\$	18,951,000	297	\$	23,580,646	435	\$	4,629,646	138	Program executed more work at lower unit cost.
Modular Distrib Control Device POC	\$	58,000		\$	587		\$	(57,413)		Changed the approach to deploying the functionalities in this program to keep protection
Capacity & Connectivity	\$	19,385,000	49	\$	19,176,419	49.0	\$	(208,581)		automation separate for safety reasons. Program executed as anticipated.
Substation Bank Capacity	\$	18,736,000	.5	\$	5,243,997	15.0	\$	(13,492,003)		Program required less substation capacity work to support self-optimizing grid.
. ,	\$	8,433,000		\$			\$	311,179		
Advanced DMS		8,433,000			8,744,179			311,179		Program executed as anticipated.
Distribution Hardening & Resiliency - Flood	\$	-		\$	-		\$	-		
Distribution Transformer Retrofit	\$	-		\$	-		\$	-		
Integrated Volt/Var Control	\$	43,605,000		\$	29,487,914		\$	(14,117,086)		
Circuits			256			117			(139)	Execution phase of the program delayed due to additional technical planning, engineering pre-work, and resource constraints. Program making significant progress on installing circ
Substations			43			15			(28)	equipment in preparation for voltage reduction, civil construction, control house panel installation and telecom installations.
Transmission Hardening & Resiliency	\$	23,800,000		\$	15,822,471		\$	(7,977,529)		Program largely focused on 44kV line rebuilds. Less work executed due to timelin complexity associated with land acquisition and permitting of rights-of-way.
Transmission Bank Replacement	\$	7,125,000		\$	7,412,704		\$	287,704		Program executed as anticipated.
·		. ,					<u> </u>			
Transmission System Intelligence	\$	16,676,250		٠	13,194,515		\$	(3,481,735)		Some program work was executed in the oil breaker replacement program. Program executed more work to the achieve reliability and environmental
Oil Breaker Replacement	\$	6,111,000		\$	9,168,839		\$	3,057,839		improvements for customers. Some system intelligence work was also included in program.
Distribution Breaker Replacements	\$	2,464,000		\$	2,525,847		\$	61,847		program.
Transmission Breaker Replacements	\$	3,647,000		\$	6,642,992		\$	2,995,992		
Transmission Breaker Reputernents	+	2,2 11,222		7	-,-,		,			Costs are higher than plan. Actuals reflect unique nature of each neighborhood
Targeted Undergrounding	\$	19,675,000	40	\$	22,306,369	19.5	\$	2,631,369	(20.5)	project tailored to specific property needs including easement acquisition, engineering, interferences, location, terrain, etc.
Long Duration Interruptions	\$	12,967,000		\$	17,787,048		\$	4,820,048		Executed more work in this program for the reliability benefits to customers.
. Enterprise Communications	\$	25,282,399		\$	30,437,579		\$	5,155,180		
Next Generation Cellular	Ś	932,471	1,264	\$	1,683,651	933		751,180	(331)	Program costs were higher than anticipated.
Mission Critical Voice	\$	4,031,064	_,	\$	1,574,884		\$	(2,456,180)	(/	Program was delayed for additional planning and design.
BizWAN	\$	87,935		\$	7,761		\$	(80,174)		
									(0)	This work was combined with networking efforts under our Telecommunciations progra and removed from the SC GIP. Program executed as anticipated. Program executed more work than anticipated including fiber miles, microwave sites, or
GridWAN	\$	3,721,705	52	\$	3,123,846	50	\$	(597,859)	(2)	Program executed as anticipated. Program executed more work than anticipated including fiber miles, microwave sites, or
Mission Critical Transport	\$	12,230,371	59	\$	18,258,025	130	\$	6,027,654	71	sites and MAS radio sites.
Towers Shelters Power Support	\$	2,853,569	5	\$	4,672,059	6	\$	1,818,490	1	Program cost include power supply work that is not reflected in the units in the plan.
Network Asset System Tools	\$	159,238		\$	128,167		\$	(31,071)		Project executed as anticipated.
Vehicle Area Network	\$	1,266,046	2,979	\$	989,187	477	\$	(276,859)	(2,502)	Telematics portion of the VAN program completed available units. Wifi portion was dela to evaluate technology options.
Distribution Automation	\$	19,049,000		\$	30,652,076		\$	11,603,076		
Hydraulic to Electric Recloser	\$	12,932,000	197	\$	12,615,393	253	\$	(316,607)	56	Program executed more work for less cost.
System Intelligence & Monitoring	\$	1,297,000		\$	27,985		\$	(1,269,015)		Program is delayed due to additional scoping and design, and schedule is dependent on completion of prescale work.
Fuse Replacement w/ Reclosers	\$	2,510,000	475	\$	4,582,976	558	\$	2,072,976	83	Program executed more work than anticipated.
Underground System Automation	\$	2,310,000	28	\$	13,425,722	12	\$	11,115,722	(16)	Program work increased to include duct bank infrastructure, primary circuit extensions, fiber network for switchgear relays for SCADA and self-healing capabilities. Infrastructure work required before construction of vaults.
Enterprise Applications	\$	5,346,000		\$	3,085,859		\$	(2,260,141)		Program contained less work than anticipated.
Integrated Tools for Outage Apps	\$	390,000		\$	445,765		\$	55,765		
TUG System Software Tools	\$	44,000		\$	87,105		\$	43,105		
Health Risk Management	\$	946,000		\$	1,306,466		\$	360,466		
Enterprise Distribution System Health	\$	26,000		\$	89,326		\$	63,326		
Other Initiatives	\$	3,940,000		\$	1,157,197		\$	(2,782,803)		
Integrated System Operations Planning	\$	4,837,000		\$	1,318,199		\$	(3,518,801)		Program executed for less than anticipated cost.
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DER Dispatch Enterprise Tool	\$	2,926,000		\$	100,849		\$	(2,825,151)	- 1	Program delayed for additional planning and design.

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\$ 30,213,250	\$ 32,402,982 \$ 2,1	.89,732 Program executed as anticipated.
\$ 7,700,607	\$ 1,804,357 \$ (5,8	996,250)
\$ 187,098	\$ 54,328 \$ (3	132,770) Program cancelled to prioritize work that provides evolving risk reduction.
\$ 740,049	\$ 912,052 \$	172,003 Program executed as anticipated.
\$ 6,773,460 154	\$ 837,977 51 \$ (5,9	935,483) (103) Program contained less work than anticipated.
\$ 208,306,006	\$ 193,986,813 \$ (14,3	319,193)
\$ 83,925,500	\$ 78,001,510 \$ (5,9	923,990)
\$ 292,231,506	\$ 271,988,323 \$ (20,2	(43,183)
	\$ 7,700,607 \$ 187,098 \$ 740,049 \$ 6,773,460 154 \$ 208,306,006 \$ 83,925,500	\$ 7,700,607 \$ 1,804,357 \$ (5,8) \$ 187,098 \$ 54,328 \$ (\$ 740,049 \$ 912,052 \$ \$ 6,773,460 154 \$ 837,977 51 \$ (5,8) \$ 208,306,006 \$ 193,986,813 \$ (14,3) \$ 83,925,500 \$ 78,001,510 \$ (5,5)

- Notes:
 1. The Communications Mission Critical Transport program installed 77 miles of fiber, 52 microwave sites, two optical sites, and five MAS radio sites. The Tower Shelter Power Supplies program installed six tower/shelter sites and 28 power supply sites.
 2. The GIP deferral does not include Energy Storage and Electric Vehicle work that was included in the original Grid Improvement Plan.